

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-4 (Canceled)

5. (Previously Presented) A method for servicing an inkjet printer including an inkjet printhead with a nozzle plate and a first service module removably installed on the printer, comprising:

identifying a printhead-related service condition not adequately addressed by servicing the printer with the first service module being in an un-worn condition;

providing a second service module with a service function different from the first service module and adapted to address said printhead-related service condition, the second service module removably installable on the printer and with respect to the first service module;

removing the first service module from the printer;

installing the second service module in the printer in place of the first service module;

using the second service module, conducting a special printhead-related servicing operation.

6. (Original) The method of claim 5, further comprising:

after completion of the special printhead-related servicing operation, removing the second service module from the printer; and

install the first service module in the printer in place of the second service module.

7. (Previously Presented) A method for servicing an inkjet printer including an inkjet printhead with a nozzle plate and a first service module removably installed on the printer, comprising:

identifying a printhead-related service condition not adequately addressed by servicing the printer with the first service module being in an un-worn condition;

providing a second service module with a service function different from the first service module and adapted to address said printhead-related service condition, the second service module removably installable on the printer and with respect to the first service module;

providing a set of instructions for using the second service module with the inkjet printer to the printer user, wherein the step of providing a set of instructions includes providing a set of machine readable printer instruction code for loading into the printer.

8. (Original) The method of claim 7 wherein the printer is controlled by a host computer, and wherein the step of using the set of instructions includes downloading the set of printer instruction code from the host computer.

9. (Previously Presented) A method for servicing an inkjet printer including an inkjet printhead with a nozzle plate and a first service module removably installed on the printer, comprising:

identifying a printhead-related service condition not adequately addressed by servicing the printer with the first service module being in an un-worn condition;

providing a second service module with a service function different from the first service module and adapted to address said printhead-related service condition, the second service module removably installable on the printer and with respect to the first service module;

providing a set of instructions for using the second service module with the inkjet printer to the printer user, wherein the step of providing a set of instructions

includes providing a set of human-readable instructions for using the second service module.

Claims 10-11 (Canceled)

12. (Previously Presented) A method for servicing an inkjet printer including an inkjet printhead with a nozzle plate and a first service module removably installed on the printer, comprising:

identifying a printhead-related service condition not adequately addressed by servicing the printer with the first service module being in an un-worn condition;

providing a second service module with a service function different from the first service module and adapted to address said printhead-related service condition, the second service module removably installable on the printer and with respect to the first service module, wherein said printhead-related service condition includes ink accumulation on the nozzle plate, and wherein the second service module includes a wiper fabricated of silicon, or a textile, or a special rubber for removing the ink accumulation.

Claims 13 (Canceled)

14. (Previously Presented) A method for servicing an inkjet printer including an inkjet printhead with a nozzle plate and a first service module removably installed on the printer, comprising:

identifying a printhead-related service condition not adequately addressed by servicing the printer with the first service module being in an un-worn condition;

providing a second service module with a service function different from the first service module and adapted to address said printhead-related service condition, the second service module removably installable on the printer and with respect to the first service module, wherein said printhead-related service

condition includes ink on a printhead carriage interconnect, and the second service module includes a brush arranged to clean the interconnect.

15. (Previously Presented) A method for servicing an inkjet printer including an inkjet printhead with a nozzle plate and a first service module removably installed on the printer, comprising:

identifying a printhead-related service condition not adequately addressed by servicing the printer with the first service module being in an un-worn condition;

providing a second service module with a service function different from the first service module and adapted to address said printhead-related service condition, the second service module removably installable on the printer and with respect to the first service module, wherein said printhead-related service condition includes vibration or shock incurred during shipment or moving of the printer, and the second service module includes a special capping structure having a range of movement along an axis generally transverse to a nozzle array of the printhead, and a bias structure which urges the capping structure toward and into engagement with the printhead during a capping procedure.

16. (Original) The method of claim 15 wherein the special capping structure includes a relative hard, non-resilient cap structure which contacts the printhead during the capping procedure.

Claims 17-18 (Canceled)

19. (Previously Presented) A method for servicing an inkjet printer including an inkjet printhead and a removable first service module, comprising:

providing a second service module different from the first service module and adapted to address a printhead-related service condition not adequately addressed by the first service module being in an un-worn condition, the second

service module removably installable on the printer and with respect to the first service module;

providing a set of instructions for using the second service module with the inkjet printer to the printer user, wherein the step of providing a set of instructions includes providing a set of machine readable printer instruction code for loading into the printer;

installing the second service module in the printer;

conducting a printhead-related service operation using the second service module.

20. (Previously Presented) A method for servicing an inkjet printer including an inkjet printhead and a removable first service module, comprising:

providing a second service module different from the first service module and adapted to address a printhead-related service condition not adequately addressed by the first service module being in an un-worn condition, the second service module removably installable on the printer and with respect to the first service module;

providing a set of instructions for using the second service module with the inkjet printer to the printer user, wherein the printer is controlled by a host computer, and the step of providing a set of instructions includes downloading the set of printer instruction code from the host computer;

installing the second service module in the printer;

conducting a printhead-related service operation using the second service module.

21. (Previously Presented) A method for servicing an inkjet printer including an inkjet printhead and a removable first service module, comprising:

identifying a printhead-related service condition not adequately addressed by servicing the printer with the first service module being in an un-worn condition;

providing a second service module with a service function different from the first service module and adapted to address said printhead-related service condition, the second service module removably installable on the printer and with respect to the first service module;

providing a set of instructions for using the second service module with the inkjet printer to the printer user, wherein the step of providing a set of instructions includes providing a set of human-readable instructions for using the second service module.

22. (Previously Presented) A method for servicing an inkjet printer including an inkjet printhead and a removable first service module, comprising:

providing a second service module different from the first service module and adapted to address a printhead-related service condition not adequately addressed by the first service module being in an un-worn condition, the second service module removably installable on the printer and with respect to the first service module;

installing the second service module in the printer;

conducting a printhead-related service operation using the second service module;

after completion of the printhead-related servicing operation, removing the second service module from the printer; and

installing the first service module in the printer in place of the second service module.

Claims 23-24 (Canceled)

25. (Previously Presented) A method for servicing an inkjet printer including an inkjet printhead and a removable first service module, comprising:

providing a second service module different from the first service module and adapted to address a printhead-related service condition not adequately addressed by the first service module being in an un-worn condition, the second

service module removably installable on the printer and with respect to the first service module;

installing the second service module in the printer;

conducting a printhead-related service operation using the second service module;

wherein said printhead-related service condition includes ink accumulation on a printhead nozzle plate, and wherein [in] the second service module includes a wiper fabricated of silicon, or a textile, or a special rubber for removing the ink accumulation.

Claims 26 (Canceled)

27. (Previously Presented) A method for servicing an inkjet printer including an inkjet printhead and a removable first service module, comprising:

providing a second service module different from the first service module and adapted to address a printhead-related service condition not adequately addressed by the first service module being in an un-worn condition, the second service module removably installable on the printer and with respect to the first service module;

installing the second service module in the printer;

conducting a printhead-related service operation using the second service module;

wherein said printhead-related service condition includes ink on a printhead carriage interconnect, and the second service module includes a cleaning element arranged to clean the interconnect during a special cleaning mode with the printhead removed from the carriage.

Claims 28-29 (Canceled)

30. (Previously presented) A special service module for use in an inkjet printing system including an inkjet printhead and a standard service module

removably installed in the printing system, the special service module configured to be removably installed in the printing system in place of the standard service module to perform a special service function on the printhead which is not performed by the standard service module being in an un-worn condition, the special service module removably installable on the printer and with respect to the standard service module.

31. (Previously presented) A method for servicing an inkjet printer including an inkjet printhead with a nozzle plate and a first service module removably installed on the printer, comprising:

- identifying a printhead-related service condition not adequately addressed by servicing the printer with the first service module;

- providing a second service module with a service function different from the first service module and adapted to address said printhead-related service condition;

- removing the first service module from the printer;

- installing the second service module in the printer in place of the first service module;

- using the second service module, conducting a special printhead-related servicing operation;

- after completion of the special printhead-related servicing operation, removing the second service module from the printer; and

- installing the first service module in the printer in place of the second service module.

32. (Previously presented) A method for servicing an inkjet printer including an inkjet printhead with a nozzle plate and a first service module removably installed on the printer, comprising:

- identifying a printhead-related service condition not adequately addressed by servicing the printer with the first service module in an un-used condition, said printhead-related service condition including vibration or shock incurred

during shipment or moving of the printer, the second service module including a special capping structure having a range of movement along an axis generally transverse to a nozzle array of the printhead, and a bias structure which urges the capping structure toward and into engagement with the printhead during a capping procedure, and wherein the special capping structure including a relative hard, non-resilient cap structure which contacts the printhead during the capping procedure;

providing a second service module with a service function different from the first service module and adapted to address said printhead-related service condition; and

performing the capping procedure with the second service module installed in the printer, and maintaining contact between the non-resilient cap structure and the printhead to prevent a pumping action on the printhead when subjected to vibration and shock.

33. (Previously presented) The method of claim 32, wherein a constant closed volume is maintained between the cap structure and the printhead during the capping procedure.

34. (New) A method for servicing an inkjet printer including an inkjet printhead with a nozzle plate and a first service module removably installed on the printer, comprising:

identifying a printhead-related service condition not adequately addressed by servicing the printer with the first service module being in an un-worn condition;

providing a second service module with a service function different from the first service module and adapted to address said printhead-related service condition, the second service module removably installable on the printer and with respect to the first service module.

35. (New) The method of claim 34, further including:
providing the second service module to the printer user.

36. (New) The method of claim 35, further comprising providing a set of instructions for using the second service module with the inkjet printer to the printer user.

37. (New) The method of claim 36, further comprising:
removing the first service module from the printer;
installing the second service module in the printer;
using the set of instructions and the second service module, conducting a special servicing operation.

38. (New) The method of claim 34, wherein said printhead-related service condition comprises fibers accumulating on the printhead nozzle plate, and wherein the second service module includes a brush to remove the fibers.

39. (New) The method of claim 34, wherein said printhead-related service condition includes ink accumulation on the nozzle plate, and wherein the second service module includes a wiper or applicator having applied thereto a cleaning fluid for removing the ink accumulation.

40. (New) A method for servicing an inkjet printer including an inkjet printhead and a removable first service module, comprising:

providing a second service module different from the first service module and adapted to address a printhead-related service condition not adequately addressed by the first service module being in an un-worn condition, the second service module removably installable on the printer and with respect to the first service module; and

installing the second service module in the printer;
conducting a printhead-related service operation using the second service module.

41. (New) The method of Claim 40, further comprising providing a set of instructions for using the second service module with the inkjet printer to the printer user.

42. (New) The method of claim 40, wherein said printhead-related service condition comprises fibers accumulating on a printhead nozzle plate, and wherein the second service module includes a brush to remove the fibers.

43. (New) The method of claim 40, wherein said printhead-related service condition includes ink accumulation on the nozzle plate, and wherein the second service module includes a wiper or applicator having applied thereto a cleaning fluid for removing the ink accumulation.

44. (New) The method of claim 40, wherein said printhead-related service condition includes global depriming of the printhead or ink starvation of the printhead, and wherein the second service module includes a negative pressure primer.

45. (New) An inkjet printing system, comprising:
an inkjet printhead;
a service area for performing service functions on the printhead;
a first service module for removable mounting at the service area to perform service functions on the printhead during a standard printhead service mode;

a second service module for removable mounting at the service area in place of the first service module to perform a different service function from that performed by the first service module in an unused condition on the printhead during a special printhead service mode.

46. (New) The system of Claim 45 further comprising:

a printhead carriage for mounting the printhead and arranged for traversing movement along a print area and for moving to the service area;

a service carriage for removably mounting the first service module or the second service module.